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NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/Caplus and  
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NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/Caplus  
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 14 JUL 14 FSTA enhanced with Japanese patents  
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive  
NEWS 17 AUG 28 ADISCTI Reloaded and Enhanced  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
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AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
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NEWS X25 X.25 communication option no longer available

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=> file medline, uspatful,wpids, fsta, jicst, biosis

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ENTRY

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FULL ESTIMATED COST

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=> s gene and polyketide  
L1 2756 GENE AND POLYKETIDE

=> s l1 and (mutation)  
L2 790 L1 AND (MUTATION)

=> s l2 and (synthetic gene)  
L3 77 L2 AND (SYNTHETIC GENE)

=> s l4 and (deleted restriction site)  
L4 NOT FOUND  
The L-number entered could not be found. To see the definition  
of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l3 and (deleted restriction site)  
L4 0 L3 AND (DELETED RESTRICTION SITE)

=> s l3 and (no restriction site)  
L5 31 L3 AND (NO RESTRICTION SITE)

=> s l3 and (mutated restriction site)  
L6 0 L3 AND (MUTATED RESTRICTION SITE)

=> s l5 and (AT or ACP or KS or KR or DH or ER or TE)  
L7 27 L5 AND (AT OR ACP OR KS OR KR OR DH OR ER OR TE)

=> s l7 and (SpeI or MfeI or Bsi WI)  
L8 10 L7 AND (SPEI OR MFEI OR BSI WI)

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L8 ANSWER 1 OF 10 USPATFULL on STN  
TI Delta-8 desaturase and its use in making polyunsaturated fatty acids  
AB Isolated nucleic acid fragments and recombinant constructs comprising  
such fragments encoding a delta-8 desaturase along with a method of  
making long chain polyunsaturated fatty acids (PUFAs) using this delta-8  
desaturase in plants and oleaginous yeast.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:330671 USPATFULL

TITLE: Delta-8 desaturase and its use in making  
polyunsaturated fatty acids

INVENTOR(S): Damude, Howard Glenn, Hockessin, DE, UNITED STATES  
Zhu, Quinn Qun, West Chester, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005287652	A1	20051229
APPLICATION INFO.:	US 2005-166993	A1	20050624 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-583041P	20040625 (60)
	US 2004-624812P	20041104 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, BARLEY MILL PLAZA 25/1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805, US	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Page(s)	
LINE COUNT:	6751	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L8 ANSWER 2 OF 10 USPATFULL on STN

TI Synthetic genes

AB The invention provides strategies, methods, vectors, reagents, and systems for production of synthetic genes, production of libraries of such genes, and manipulation and characterization of the genes and corresponding encoded polypeptides. In one aspect, the synthetic genes can encode polyketide synthase polypeptides and facilitate production of therapeutically or commercially important polyketide compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2005:261292 USPATFULL

TITLE: Synthetic genes

INVENTOR(S): Santi, Daniel, San Francisco, CA, UNITED STATES  
Kodumal, Sarah J., Oakland, CA, UNITED STATES  
Reid, Ralph C., San Rafael, CA, UNITED STATES  
Patel, Kedar G., Palo Alto, CA, UNITED STATES

PATENT ASSIGNEE(S): Kosan Biosciences, Inc., Hayward, CA, UNITED STATES  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005227316	A1	20051013
APPLICATION INFO.:	US 2004-820975	A1	20040407 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834, US		
NUMBER OF CLAIMS:	30		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	33 Drawing Page(s)		
LINE COUNT:	7394		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L8 ANSWER 3 OF 10 USPATFULL on STN

TI Synthetic genes

AB The invention provides strategies, methods, vectors, reagents, and systems for production of synthetic genes, production of libraries of such genes, and manipulation and characterization of the genes and corresponding encoded polypeptides. In one aspect, the synthetic genes can encode polyketide synthase polypeptides and facilitate production of therapeutically or commercially important polyketide compounds.

*Applicant*

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:215459 USPATFULL  
TITLE: Synthetic genes  
INVENTOR(S): Santi, Daniel V., San Francisco, CA, UNITED STATES  
Reid, Ralph C., San Rafael, CA, UNITED STATES  
Kodumal, Sarah J., Oakland, CA, UNITED STATES  
Jayaraj, Sebastian, Berkeley, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004166567	A1	20040826
APPLICATION INFO.:	US 2003-672396	A1	20030926 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-414085P	20020926 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MORRISON & FOERSTER LLP, 755 PAGE MILL RD, PALO ALTO, CA, 94304-1018	
NUMBER OF CLAIMS:	64	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	29 Drawing Page(s)	
LINE COUNT:	7903	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 10 USPATFULL on STN  
TI Fermentative carotenoid production  
AB Novel proteins of microorganism E-396 (FERM BP-4283) and the DNA sequences which encode these proteins have been discovered to provide an improved biosynthetic pathway from farnesyl pyrophosphate and isopentyl pyrophosphate to various carotenoids, especially zeaxanthin, astaxanthin, adonixanthin and canthaxanthin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:76632 USPATFULL  
TITLE: Fermentative carotenoid production  
INVENTOR(S): Pasamontes, Luis, Trimbach, SWITZERLAND  
Tsygankov, Yuri, Moscow, RUSSIAN FEDERATION  
PATENT ASSIGNEE(S): ROCHE VITAMINS, INC. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004058410	A1	20040325
	US 7063956	B2	20060620
APPLICATION INFO.:	US 2003-695980	A1	20031029 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-920923, filed on 2 Aug 2001, GRANTED, Pat. No. US 6677134 Division of Ser. No. US 1997-980832, filed on 1 Dec 1997, GRANTED, Pat. No. US 6291204		

	NUMBER	DATE
PRIORITY INFORMATION:	EP 1996-810839	19961202
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Stephen M. Haracz, BRYAN CAVE LLP, 1290 Avenue of the Americas, New York, NY, 10104-3300	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	87 Drawing Page(s)	
LINE COUNT:	3614	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 5 OF 10 USPATFULL on STN  
TI Fermentative carotenoid production  
AB Novel proteins of microorganism E-396 (FERM BP-4283) and the DNA sequences which encode these proteins have been discovered to provide an improved biosynthetic pathway from farnesyl pyrophosphate and isopentyl pyrophosphate to various carotenoids, especially zeaxanthin, astaxanthin, adonixanthin and canthaxanthin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:30326 USPATFULL  
TITLE: Fermentative carotenoid production  
INVENTOR(S): Pasamontes, Luis, Trimbach, SWITZERLAND  
Tsygankov, Yuri, Moscow, RUSSIAN FEDERATION  
PATENT ASSIGNEE(S): ROCHE VITAMINS INC. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003022273	A1	20030130
	US 6677134	B2	20040113
APPLICATION INFO.:	US 2001-920923	A1	20010802 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-980832, filed on 1 Dec 1997, GRANTED, Pat. No. US 6291204		

	NUMBER	DATE
PRIORITY INFORMATION:	EP 1996-810839	19961202
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Stephen M. Haracz, Esq., Bryan Cave, LLP, 245 Park Avenue, New York, NY, 10167-0034	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	87 Drawing Page(s)	
LINE COUNT:	3695	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 10 USPATFULL on STN  
TI Fermentative carotenoid production  
AB Novel proteins of Flavobacterium sp. R1534 and the DNA sequences which encode these proteins are disclosed which provide an improved biosynthetic pathway from farnesyl pyrophosphate and isopentyl pyrophosphate to various carotenoid precursors and carotenoids, especially  $\beta$ -carotene, lycopene, zeaxanthin and cantaxanthin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:266486 USPATFULL  
TITLE: Fermentative carotenoid production  
INVENTOR(S): Hohmann, Hans-Peter, Freiburg, GERMANY, FEDERAL REPUBLIC OF  
Pasamontes, Luis, Trimbach, SWITZERLAND  
Tessier, Michel, Mulhouse, FRANCE  
van Loon, Adolphus, Rheinfelden, SWITZERLAND

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002147371	A1	20021010
	US 6613543	B2	20030902
APPLICATION INFO.:	US 2000-547267	A1	20000411 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-298718, filed on 23 Apr 1999, PATENTED Division of Ser. No. US 1996-660645, filed on 7 Jun 1996, PATENTED		

	NUMBER	DATE
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PRIORITY INFORMATION:	EP 1995-108888	19950609
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Stephen M. Haracz Esq., BRYAN CAVE LLP, 245 PARK AVENUE, NEW YORK, NY, 10167-0034	
NUMBER OF CLAIMS:	128	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	91 Drawing Page(s)	
LINE COUNT:	2635	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L8 ANSWER 7 OF 10 USPATFULL on STN  
 TI Fermentative carotenoid production  
 AB Novel proteins of microorganism E-396 (FERM BP-4283) and the DNA sequences which encode these proteins have been discovered to provide an improved biosynthetic pathway from farnesyl pyrophosphate and isopentyl pyrophosphate to various carotenoids, especially zeaxanthin, astaxanthin, adonixanthin and canthaxanthin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2001:158036	USPATFULL
TITLE:	Fermentative carotenoid production	
INVENTOR(S):	Pasamontes, Luis, Trimbach, Switzerland Tsygankov, Yuri, Moscow, Russian Federation	
PATENT ASSIGNEE(S):	Roche Vitamins Inc., Parsippany, NJ, United States (U.S. corporation)	

	NUMBER	KIND	DATE
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PATENT INFORMATION:	US 6291204	B1	20010918
APPLICATION INFO.:	US 1997-980832		19971201 (8)

	NUMBER	DATE
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PRIORITY INFORMATION:	EP 1996-810839	19961202
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Nashed, Nashaat T.	
LEGAL REPRESENTATIVE:	Haracz, Stephen M., Hooper, Kevin C. Bryan Cave LLP	
NUMBER OF CLAIMS:	3	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	88 Drawing Figure(s); 87 Drawing Page(s)	
LINE COUNT:	2291	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L8 ANSWER 8 OF 10 USPATFULL on STN  
 TI Fermentative carotenoid production  
 AB Novel proteins of Flavobacterium sp. R1534 and the DNA sequences which encode these proteins are disclosed which provide an improved biosynthetic pathway from farnesyl pyrophosphate and isopentyl pyrophosphate to various carotenoid precursors and carotenoids, especially  $\beta$ -carotene, lycopene, zeaxanthin and cantaxanthin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2001:43967	USPATFULL
TITLE:	Fermentative carotenoid production	
INVENTOR(S):	Hohmann, Hans-Peter, Frieberg, Germany, Federal Republic of Pasamontes, Luis, Trimbach, Switzerland Tessier, Michel, Mulhouse, France	

PATENT ASSIGNEE(S): van Loon, Adolphus, Rheinfelden, Switzerland  
Roche Vitamins Inc., Parsippany, NJ, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6207409	B1	20010327
APPLICATION INFO.:	US 2000-546969		20000411 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-298718, filed on 23 Apr 1999, now patented, Pat. No. US 6124113 Division of Ser. No. US 1996-660645, filed on 7 Jun 1996, now patented, Pat. No. US 6087152		

	NUMBER	DATE
PRIORITY INFORMATION:	EP 1995-108888	19950609
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Nashed, Nashaat T.	
LEGAL REPRESENTATIVE:	Waddell, Mark E., Haracz, Stephen M. Bryan Cave LLP	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	93 Drawing Figure(s); 92 Drawing Page(s)	
LINE COUNT:	2176	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L8 ANSWER 9 OF 10 USPATFULL on STN  
TI Fermentative carotenoid production  
AB Novel proteins of Flavobacterium sp. R1534 and the DNA sequences which encode these proteins are disclosed which provide an improved biosynthetic pathway from farnesyl pyrophosphate and isopentyl pyrophosphate to various carotenoid precursors and carotenoids, especially  $\beta$ -carotene, lycopene, zeaxanthin and cantaxanthin. Processes are also provided for preparing zeaxanthin by culturing a transformed host cell containing an expression cassette that includes a polynucleotide having a DNA sequence which encodes the GGPP synthase of Flavobacterium sp. R1534 (crtE), the prephytoene synthase of Flavobacterium sp. R1534 (crtB), the phytoene desaturase of Flavobacterium sp. R1534 (crtI), the lycopene cyclase of Flavobacterium sp. R1534 (crtY), or the  $\beta$ -carotene hydroxylase of Flavobacterium sp. R1534 (crtZ). The polynucleotide is substantially free of other polynucleotides of Flavobacterium sp. R1534. The process further includes isolating the zeaxanthin from such cells or the culture medium.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:128147 USPATFULL  
TITLE: Fermentative carotenoid production  
INVENTOR(S): Hohmann, Hans-Peter, Freiburg, Germany, Federal Republic of  
Pasamontes, Luis, Trimbach, Switzerland  
Tessier, Michel, Mulhouse, France  
van Loon, Adolphus, Rheinfelden, Switzerland  
PATENT ASSIGNEE(S): Roche Vitamins Inc., Nutley, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6124113		20000926
APPLICATION INFO.:	US 1999-298718		19990423 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-660645, filed on 7 Jun 1996		

NUMBER	DATE
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 PRIORITY INFORMATION: EP 1995-108888 19950609  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Nashed, Nashaat  
 LEGAL REPRESENTATIVE: Waddell, Mark E., Haracz, Stephen M. Bryan Cave LLP  
 NUMBER OF CLAIMS: 6  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 57 Drawing Figure(s); 92 Drawing Page(s)  
 LINE COUNT: 2369  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 10 OF 10 USPATFULL on STN  
 TI Fermentative carotenoid production  
 AB Novel proteins of Flavobacterium sp. R1534 and the DNA sequences which  
 encode these proteins are disclosed which provide an improved  
 biosynthetic pathway from farnesyl pyrophosphate and isopentyl  
 pyrophosphate to various carotenoid precursors and carotenoids,  
 especially  $\beta$ -carotene, lycopene, zeaxanthin and cantaxanthin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:87982 USPATFULL  
 TITLE: Fermentative carotenoid production  
 INVENTOR(S): Hohmann, Hans-Peter, Freiburg, Germany, Federal  
 Republic of  
 Pasamontes, Luis, Trimbach, Switzerland  
 Tessier, Michel, Mulhouse, France  
 van Loon, Adolphus, Rheinfelden, Switzerland  
 PATENT ASSIGNEE(S): Roche Vitamins Inc., Parsippany, NJ, United States  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6087152		20000711
APPLICATION INFO.:	US 1996-660645		19960607 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 1995-108888	19950609
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Wax, Robert A.	
ASSISTANT EXAMINER:	Nashed, Nashaat T.	
LEGAL REPRESENTATIVE:	Johnston, George W., Tramaloni, Dennis P., Ebel, Eileen M.	
NUMBER OF CLAIMS:	73	
EXEMPLARY CLAIM:	61	
NUMBER OF DRAWINGS:	58 Drawing Figure(s); 92 Drawing Page(s)	
LINE COUNT:	2818	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

=> file scisearch, biosis, medline  
 COST IN U.S. DOLLARS

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FULL ESTIMATED COST	36.60	36.81

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E1	29	SANTI W/AU
E2	1	SANTI Y/AU
E3	0 -->	SANTI, D/AU
E4	4	SANTIA C/AU
E5	1	SANTIA E/AU
E6	1	SANTIA EMILIO/AU
E7	1	SANTIA G/AU
E8	1	SANTIA J D/AU
E9	3	SANTIA M/AU
E10	1	SANTIADO R PENA/AU
E11	1	SANTIAG MARGARITA/AU
E12	1	SANTIAGA J T/AU

=> e reid, r/au

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E2	8	REID YVONNE A/AU
E3	0 -->	REID, R/AU
E4	1	REIDA A K/AU
E5	1	REIDA A M/AU
E6	2	REIDA ABIGAIL K/AU
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E8	2	REIDA M K/AU
E9	3	REIDA P/AU
E10	1	REIDA PETER/AU
E11	1	REIDANDERSON A S/AU
E12	1	REIDAR KROG JAN/AU

=> e kodumal, s/au

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E2	4	KODUMAL SARAH J/AU
E3	0 -->	KODUMAL, S/AU
E4	15	KODUNOV L A/AU
E5	1	KODUNOVA A/AU
E6	1	KODUR/AU
E7	3	KODUR E/AU
E8	4	KODUR V/AU
E9	33	KODUR V K R/AU
E10	2	KODUR V R/AU
E11	2	KODURA A/AU
E12	2	KODURA I/AU

=> e jayaraji, s/au

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E2	1	JAYARAJASINGH RUBARAJ/AU
E3	0 -->	JAYARAJI, S/AU
E4	1	JAYARAJU B S/AU
E5	11	JAYARAJU D/AU
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E7	3	JAYARAJU K/AU
E8	1	JAYARAJU M/AU
E9	11	JAYARAJU N/AU
E10	1	JAYARAL M K/AU
E11	50	JAYARAM A/AU
E12	5	JAYARAM A R/AU

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FILE 'MEDLINE, USPATFULL, WPIDS, FSTA, JICST-EPLUS, BIOSIS' ENTERED AT  
15:58:16 ON 28 AUG 2006

L1	2756 S	GENE AND POLYKETIDE
L2	790 S L1 AND	(MUTATION)
L3	77 S L2 AND	(SYNTHETIC GENE)
L4	0 S L3 AND	(DELETED RESTRICTION SITE)
L5	31 S L3 AND	(NO RESTRICTION SITE)
L6	0 S L3 AND	(MUTATED RESTRICTION SITE)
L7	27 S L5 AND	(AT OR ACP OR KS OR KR OR DH OR ER OR TE)
L8	10 S L7 AND	(SPEI OR MFEI OR BSI WI)

FILE 'SCISEARCH, BIOSIS, MEDLINE' ENTERED AT 16:04:19 ON 28 AUG 2006

E SANTI, D/AU  
E REID, R/AU  
E KODUMAL, S/AU  
E JAYARAJI, S/AU

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*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L12</u>	L11 and l4	1	<u>L12</u>
<u>L11</u>	L10 and (Spel)	373	<u>L11</u>
<u>L10</u>	L9 and (AT or CP or KR or KS domain)	6751	<u>L10</u>
<u>L9</u>	L8 and (PKS)	7069	<u>L9</u>

*DB=PGPB,USPT; PLUR=YES; OP=OR*

<u>L8</u>	L7 and (restriction site)	390472	<u>L8</u>
<u>L7</u>	(synthetic gene production)	1480719	<u>L7</u>
<u>L6</u>	(synthetic gene production)	1480719	<u>L6</u>
<u>L5</u>	Kodumal.in.	2	<u>L5</u>
<u>L4</u>	jayaraj.in.	12	<u>L4</u>

*DB=USPT; PLUR=YES; OP=OR*

<u>L3</u>	kodumal.in.	0	<u>L3</u>
<u>L2</u>	reid.in.	3974	<u>L2</u>
<u>L1</u>	santi.in.	418	<u>L1</u>

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L12: Entry 1 of 1

File: PGPB

Aug 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040166567

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040166567 A1

TITLE: Synthetic genes

PUBLICATION-DATE: August 26, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Santi, Daniel V.	San Francisco	CA	US
Reid, Ralph C.	San Rafael	CA	US
Kodumal, Sarah J.	Oakland	CA	US
Jayaraj, Sebastian	Berkeley	CA	US

US-CL-CURRENT: [435/76](#); [435/193](#), [435/252.3](#), [435/320.1](#), [435/69.1](#), [536/23.2](#)

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L5: Entry 1 of 2

File: PGPB

Oct 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050227316

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050227316 A1

TITLE: Synthetic genes

PUBLICATION-DATE: October 13, 2005

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Santi, Daniel	San Francisco	CA	US
<u>Kodumal</u> , Sarah J.	Oakland	CA	US
Reid, Ralph C.	San Rafael	CA	US
Patel, Kedar G.	Palo Alto	CA	US

US-CL-CURRENT: [435/69.1](#); [435/193](#), [435/252.3](#), [435/471](#), [536/23.2](#)

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L5: Entry 2 of 2

File: PGPB

Aug 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040166567

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040166567 A1

TITLE: Synthetic genes

PUBLICATION-DATE: August 26, 2004

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Santi, Daniel V.	San Francisco	CA	US
Reid, Ralph C.	San Rafael	CA	US
<u>Kodumal</u> , Sarah J.	Oakland	CA	US
Jayaraj, Sebastian	Berkeley	CA	US

US-CL-CURRENT: [435/76](#); [435/193](#), [435/252.3](#), [435/320.1](#), [435/69.1](#), [536/23.2](#)

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